

Uganda

Population: **41.5 million**
GDP Growth: **4.6%**
GDP/Cap (PPP): **\$615**
Ease of Doing Business: **115**

“As we look to the future of Power Africa, Uganda is ready to tap into all of its resources, including human resources along with the water, wind, sun, gas, and steam that will power our economy.”

- The Honourable Eng. Irene Muloni (MP), Minister of Energy and Mineral Development

ENERGY SECTOR OVERVIEW

Uganda's favorable enabling environment and broad presence of private sector investment presents a unique opportunity to deliver on Power Africa goals. Uganda is one of the few sub-Saharan African countries to have liberalized its energy market, with generation, transmission and supply segments unbundled since 2001. There is an independent Electricity Regulatory Authority that undertakes sector regulation and oversight.

The largest distribution company, UMEME, is privately owned and has a 20-year concession for distribution and retail. The country, however, is divided into 13 rural service territories, and 6 of these are being managed by small distribution companies. Independent power producers (IPPs) currently account for 58% of generation capacity. Uganda has one of the lowest electrification rates in Africa, at 22% in 2017.



GENERATION CAPACITY

Installed Capacity: 947 MW

- Hydro: 645 MW
- Thermal: 101.5 MW

Power Africa New MW to Date

- Reached Financial Close: 68 MW

Power Africa 2030 Pipeline: 188 MW



CONNECTIONS

Current Access Rate: 22%

- Rural: 12% Urban: 52%

Households without Power: 31 million

- Target: 1.5 million new connections by 2020

Power Africa New Off-Grid Connections: 568,700

INVESTMENT AND ENABLING ENVIRONMENT

Biggest Issues and Bottlenecks

1. Lack of integrated power sector planning
2. Lack of fully functional financial ecosystem

Power Africa Interventions

1. Development of master plans
2. Transaction advisory services
3. Support to off-grid actors
4. Development of digital finance services



POWER AFRICA'S ENGAGEMENT IN UGANDA

MW GENERATION

Power Africa continues to provide transaction advisory services to enable generation projects to come to financial close. In 2017 alone, Power Africa supported 68 MW in small hydro projects to reach financial close, and a bigger pipeline of generation projects has been identified.

CONNECTIONS

Through USAID, Power Africa is supporting master planning efforts for 13 distribution company concessions, identifying opportunities for new connections. Power Africa in Uganda is working with financial institutions and concessionaires to mobilize finance, enabling financing across the value chain.

Power Africa is also piloting and rolling out new and innovative off-grid product designs and payment platforms, especially those that tap into digital financial services, with the aim of reaching thousands of Ugandans with new and cleaner electricity. To maintain momentum and scale up off-grid solutions, Power Africa and our partners are working to improve and/or create a supporting ecosystem for the off-grid market by launching a market accelerator to spur a vibrant marketplace of enterprises.



This 500-watt solar system in a rural village in Uganda powers a home, drives a public broadcasting system, a barbershop and a video hall and generates new income for the business owner. (Photo: Sameer Halai, Co-Founder of SunFunder, a Power Africa partner)

ABOUT POWER AFRICA

Power Africa is comprised of 12 U.S. Government Agencies, over 140 private companies, and 16 bilateral and multilateral development partners to support sub-Saharan governments by working together to increase the numbers of people with access to power. Power Africa's goal is to achieve 30,000 MW of new generated power and 60 million new connections by 2030 to reach 300 million Africans.

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